

SolarInnovate Energy Solutions

Car platform powered by lithium battery inverter



Overview

Will Li auto use electric drives in its BEV models?

The company will use these electric drives in its BEV models that will enter the market later this year. Li Auto showed the manufacturing process of their electric drives for the first time. Li Auto is a well-known Chinese car maker, which has been selling extended-range electric vehicles (EREVs) since 2018.

What is the battery electric vehicle platform roadmap?

The battery electric vehicle platform roadmap will target 1000 km as the desired maximum range of the BEV platform that is developed. This is benchmarked off of the top-end range of internal combustion engine vehicles on the market today.

What is the battery electric vehicle (BEV) platform?

The Battery Electric Vehicle (BEV) platform, a level 2 roadmap, represents the critical product/system of the Battery Electric Platform that is integrated within a broader electrified vehicle.

What is Li auto's new power module?

On February 13, Li Auto shared the first video of their electric drive assembly. At the same time, the company announced that it has started the mass production of the self-developed silicon carbide (SiC) power modules. Li Auto underlined that its new power module is being mass-produced at the company's Suzhou Semiconductor Production Base.

What is the target for a battery electric vehicle platform?

Our target is to develop the next generation of battery electric vehicle platforms with a target on a fully redefined platform by 2035, but with updates to our existing platforms along the way. Over this time we aim to achieve a range of 1000 km and charging rates of 50 km/min or greater in our platform.

What is a modular architecture for battery electric vehicles?

Modular architectures/platforms for battery electric vehicles are typically comprised of a battery pack, on board charging module, integrated power electronics, drive units, and a chassis with a wheelbase. Multiple different vehicle bodies and accompanying features may then be built upon these platforms.

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Li Auto Is China's First EV Startup to Hit Million-Car Mark, Powered ...

(Yicai) Oct. 16 -- Li Auto has become the first Chinese new energy vehicle startup to produce one million cars, with the one-millionth vehicle rolling off the assembly line at its factory in ...

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